

ORGANIC ELECTRO-LUMINESCENCE DEVICE

ABSTRACT

The present invention provides an organic electro-luminescence (EL) device, comprising: a substrate; a plurality of first electrodes formed on the surface of the substrate; a plurality of divisions of organic layer, formed on the first electrodes and being superimposed perpendicularly upon the first electrodes, the organic layer comprising at least one organic EL layer; a plurality of second electrodes, formed on the organic layer; a plurality of bottom insulating pads, each disposed between the divisions of the organic layer; and a plurality of heat sinks, each disposed on one of the bottom insulating pads. A moisture absorber is provided between each of the bottom insulating pads and each of the heat sinks and a protective layer is provided on the surface of the device, so that there is space formed between the organic layer, the moisture absorber and the heat sink to achieve cooling and dehumidification functions.